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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,754	12/21/2000	Randall G. Smith	POLY 8	1016

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EXAMINER

BHAT, ADITYA S

ART UNIT

PAPER NUMBER

2863

DATE MAILED: 05/10/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/746,754

Applicant(s)

SMITH ET AL.

Examiner

Aditya S Bhat

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Objections***

Claims 2& 6 are objected to because of the following informalities: In claim 2 line 2 reads "comprises detecting selection of an actual button the surface of the location sensing electronic device". It should read, "comprises detecting selection of an actual button on the surface of the location sensing electronic device. Claim 6 line 2 reads comprises detecting selection of an actual button the surface of the location sensing electronic whiteboard. Claim 6 should read comprises detecting selection of an actual button on the surface of the location sensing electronic whiteboard. The IDS was not filed using the correct form. In the future, please use form PTO 1449. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Geaghan et al. (USPN 5,790,114) in view of Kitada (Japanese PN # JP02000355188A).

Geaghan et al. (USPN 5,790,114) teaches a method for calibrating positions between a location sensing electronic device and an electronic device coupled to a display device or a personal computer comprising of projecting an image onto a surface

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of a location sensing electronic device (See Figure # 1), detecting a touch at a predefined calibration point (44;Col.5 Lines 57-60), calculating a relationship between the predefined calibration point comprises detecting selection of an actual button on the surface of the location sensing electronic device (See Figure # 1), detecting a touch at a predefined calibration point comprises detecting selection of an actual button on an exterior frame of the location sensing electronic device (20;Col. 3 Lines 52-56), a system for calibrating positions between the surface of a location sensing electronic device and a display device coupled to an electronic device comprising of a location sensing electronic device comprising a location sensing surface and an exterior frame (See Figure # 1), location device is programmed to calibrate positions between the surface of a location sensing electronic device and the display of an electronic device (Col.6, Lines 39-58), wherein the predefined location is a projected button on the surface of the location sensing device (See Figure # 1), wherein the predefined location is an actual button on the surface of the location sensing device and on the exterior frame of the location sensing device (20;Col. 3 Lines 52-56). a system for calibrating positions between the surface of an electronic whiteboard and the monitor of a personal computer comprising of an electronic whiteboard comprising a touch sensitive surface and an exterior frame (Col.6 Lines39-60), , a monitor and the electronic whiteboard coupled to the personal computer (Col.3 Lines13-16), and an electronic whiteboard comprising of a touch sensitive surface and an exterior frame (See figure # 1, 44;Col.5 line 58-61).

Geaghan et al. (USPN 5,790,114) does not appear to teach projection device (projector), and a personal computer coupled to an electronic whiteboard device.

Although, Geaghan et al. (USPN 5,790,114) does not appear to teach a projection device and coupling it to a computer as well as the electronic whiteboard device in order to project an image. It would be obvious to connect a projector to the computer and the electronic whiteboard device in order to display the any data that has been written on the whiteboard. It is well known in the art to couple these devices as many professors at Universities use this technique to assist in their lectures.

Kitada (Japanese PN # JP02000355188A) teaches a projection system coupled to a whiteboard and a PC.

It would be obvious to one skilled in the art to modify Geaghan et al. (USPN 5,790,114) with (Japanese PN # JP02000355188A) in order to project the images that appear on the whiteboard.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aditya S Bhat whose telephone number is 703-308-0332. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John S Hilten can be reached on 703-308-0719. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-5841 for regular communications and 703-308-5841 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Aditya S. Bhat  
May 7, 2002



**JOHN S. HILTEN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2800**